

Converting Colors

$Y_{xy}(41.5031, 0.4670, 0.4262)$

Have a look what the booklet for
Yxy(41.5031, 0.4670, 0.4262)
contains.

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Color

Yxy(41.4819, 0.4668, 0.4259)

Conversions

Conversions Part 1

Format	Color
Hex	E59E40
RGB	229, 158, 64
RGB Percent	90%, 62%, 25%
CMY	0.1019, 0.3804, 0.7493
CMYK	0.00, 0.31, 0.72, 0.10
HSL	34°, 76%, 57%
HSV	34°, 72%, 90%
XYZ	45.4655, 41.4819, 10.4508
YIQ	168.5130, 72.4900, -14.1820

Conversions

Conversions Part 2

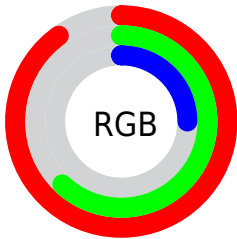
Format	Color
RYB	189, 229, 64
Decimal	15048256
CIELab	70.51, 18.14, 57.59
CIElCh	71, 60.377, 72.516
Yxy	41.4819, 0.4668, 0.4259
Android (android.graphics.Color)	4293238336 (0xFFE59E40)
YUV	168.5130, -51.5249, 53.0471
Hunter-Lab	64.4064, 13.2946, 35.4639

Details

The Yxy color **41.4819, 0.4668, 0.4259** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **24.0553, 0.1970, 0.1903**, and the grayscale version is **39.6536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.1329, 0.4132, 0.4247**, and **18.9526, 0.5015, 0.4395** is the 20% darker color. If you saturate the color by 10%, you get **38.0479, 0.4894, 0.4297**, and if you desaturate by 10%, it is **45.2964, 0.4425, 0.4175**.

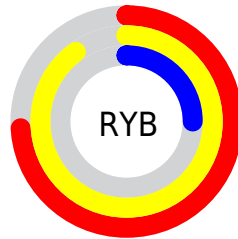
Distribution



Red (90%)

Green (62%)

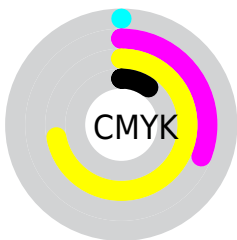
Blue (25%)



Red (74%)

Yellow (90%)

Blue (25%)

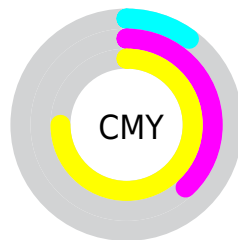


Cyan (0%)

Magenta (31%)

Yellow (72%)

Black (10%)



Cyan (10%)


Magenta (38%)


Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4819, 0.4668, 0.4259 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 41.4819, 0.4668, 0.4259 by changing the saturation by 10% instead.

 41.4819, 0.4668,
0.4259


 41.4819, 0.4668,
0.4259


352.3307, 0.3923,
0.3846

 28.6958, 0.4830,
0.4327


 77.4149, 0.4412,
0.4133


 18.8508, 0.5018,
0.4392


 101.3306, 0.4311,
0.4078

 11.5625, 0.5233,
0.4438


 129.7250, 0.4223,
0.4028

 6.4466, 0.5521,
0.4479

 162.9824, 0.4147,
0.3984

 3.1185, 0.5687,
0.4313

 201.4873, 0.4081,
0.3944

 1.1939, 0.5966,
0.4034

245.6241, 0.4022,

 0.0567, 0.8975,

0.3908

0.1025

295.7771, 0.3969,
0.3875

0.0000, 0.0000,
0.0000

41.4819, 0.4668,
0.4259

41.4819, 0.4668,
0.4259

38.0479, 0.4894,
0.4297

45.2964, 0.4425,
0.4175

34.9678, 0.5089,
0.4282

49.5028, 0.4178,
0.4057

32.7591, 0.5221,
0.4237


54.1193, 0.3938,
0.3917


59.1607, 0.3714,
0.3766

64.6407, 0.3508,
0.3613

 70.5723, 0.3323,
0.3462

 76.9679, 0.3159,
0.3319

 83.8391, 0.3014,
0.3184

 90.1904, 0.2969,
0.3206

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.4819, 0.4847, 0.3636



41.4819, 0.4668, 0.4259



41.4819, 0.4076, 0.4774

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



41.4819, 0.4668, 0.4259



41.4819, 0.1911, 0.3369



41.4819, 0.2773, 0.2136

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



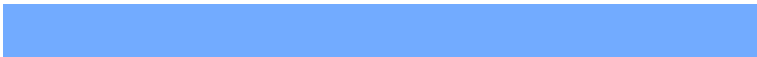
41.4819, 0.4668, 0.4259



24.0553, 0.1970, 0.1903

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



41.4819, 0.2104, 0.1996



41.4819, 0.4668, 0.4259



41.4819, 0.1665, 0.2565

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



41.4819, 0.4668, 0.4259



41.4819, 0.2485, 0.4324



41.4819, 0.1735, 0.2120



41.4819, 0.3657, 0.2501

Rectangle

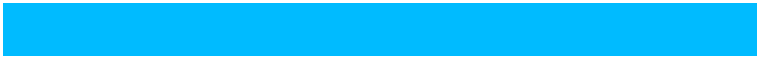
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.4819, 0.4668, 0.4259



41.4819, 0.3555, 0.4915



41.4819, 0.1735, 0.2120



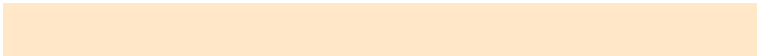
41.4819, 0.2518, 0.2062

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



41.4840, 0.4668, 0.4259



82.4580, 0.3509, 0.3613



22.0809, 0.4485, 0.2569



17.2292, 0.3563, 0.3655



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.4840, 0.4668, 0.4259



46.7615, 0.4985, 0.4297



71.3172, 0.3998, 0.4928



15.7246, 0.3278, 0.3424



18.9726, 0.5200, 0.4253



1.5857, 0.5013, 0.4401

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



24.0553, 0.1970, 0.1903



23.5619, 0.1807, 0.1591



10.8103, 0.1799, 0.1030



14.9015, 0.2981, 0.3152



8.5111, 0.1711, 0.1358



0.8104, 0.1790, 0.1642

Previews

White Background



This preview shows how the Yxy color 41.4819, 0.4668, 0.4259 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 41.4819, 0.4668, 0.4259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.4819, 0.4668, 0.4259

Background



This preview shows how black text looks on a background with the Yxy color 41.4819, 0.4668, 0.4259.



This preview shows how white text looks on a background with the Yxy color 41.4819, 0.4668, 0.4259.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

41.4819, 0.4668, 0.4259

Protanopia

41.6420, 0.4168, 0.4570

Deuteranopia

41.4976, 0.4504, 0.4401



Tritanopia

41.3452, 0.3915, 0.3167

Trichromacy



Original Color

41.4819, 0.4668, 0.4259

Protanomaly

41.5323, 0.4342, 0.4456

Deuteranomaly

41.5717, 0.4563, 0.4347

Tritanomaly

41.2353, 0.4245, 0.3611

Monochromacy



Original Color

41.4819, 0.4668, 0.4259

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.6253, 0.3692, 0.3748

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4819, 0.4668, 0.4259 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(229, 158, 64)` looks like.

```
.text, #text, p{  
    color:rgb(229, 158, 64)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(229, 158, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 158, 64) }
```

Border

The CSS property to change the border of an element to Yxy 41.4819, 0.4668, 0.4259 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(229, 158, 64) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(229, 158, 64) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(229, 158, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 158, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 158, 64);  
box-shadow:4px 4px 4px 4px rgb(229, 158,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4819, 0.4668, 0.4259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 158, 64) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(229,  
158, 64) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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